IMACS

CITRIX Thin Client

Preliminary Test

Ralph Cannon
SM-ALC/FMP-MISO
11 September 2000

IMACS - CITRIX Thin Client

- **Installation:** (took less than 15 minutes)
  - PMO e-mailed “zipped” file (2.5MB) to user
  - User “unzipped” file to a directory
  - User ran simple installation (setup.exe)
  - User logged on to CITRIX Client Manager
  - After resolving CITRIX test server “path” problem (for all remote users) with PMO, user logged on to IMACS via CITRIX test server

IMACS - CITRIX Thin Client

- **Question:**
  - Under “test” mode, CITRIX server must know client IP. Would that requirement remain in a “real world” implementation?
- **Concerns:**
  - Some users may have locally assigned dynamic IP addresses, vice a static IP address
  - Some users may need to connect via a local firewall for security purposes which could cause an IP address conflict

IMACS - CITRIX Thin Client

- **Test Conditions:**
  - Tester's PC: P-133, 80 MB RAM, connect via LAN
  - PMO indicated CITRIX test server is a slow one
  - Only one user accessing IMACS via CITRIX server
  - Not a "Controlled Environment" test
  - Number of "real world" IMACS users on-line during CITRIX testing was unknown

IMACS - CITRIX Thin Client

Time Trials

Action	IMACS	CITRIX	Time Diff.
Set Up *	30 mins	15 mins	-50%
Set Up **	180 mins	15 mins	-92%
Log On Client Mgr	2 sec	2 sec	0%
Log On to IMACS	11 sec	11 sec	0%
Application	2 sec	2 sec	

* WinNT already installed

** WinNT Installation

IMACS - CITRIX Thin Client

Time Trials

Action	IMACS	CITRIX
Time Diff.		
Open Small DMISA	2 sec	2 sec
0%		
Open Large DMISA	2 sec	2 sec
0%		
Open Small Exh-I/II	2 sec	2 sec
0%		
(30 L/Is - 8 pages)		

IMACS - CITRIX Thin Client

Time Trials

Action	IMACS	CITRIX	CITRIX Time Diff.
Preview Small Exh-I/II (30 L/Is - 8 pages)	32 sec	16 sec	-50%
Print Small Exh-I/II (30 L/Is - 8 pages)	133 sec	160 sec	+20%
Preview Large Exh-I/II (90 L/Is - 21 pages)	50 sec	30 sec	-60%

IMACS - CITRIX Thin Client

Time Trials - Summary

- **Installation/Upgrade on Existing IMACS PC:**
  -- CITRIX quicker than IMACS Client S/W
  -- IMACS Client S/W easier than CITRIX

- **Installation & Set-Up on New WinNT PC:**
  -- CITRIX quicker than IMACS Client S/W
  -- CITRIX easier than IMACS Client

IMACS - CITRIX Thin Client

Time Trials - Summary (cont'd)

- **Initial IMACS Database Access Functions:**
  -- CITRIX & IMACS Client S/W - Identical

- **Print Preview of Small & Large Exhibits:**
  -- CITRIX quicker than IMACS Client S/W

IMACS - CITRIX Thin Client

Test Summary

- CITRIX should be quicker and easier from the PC
  administrator's viewpoint

- CITRIX should be quicker and easier from the IMACS
  maintenance contractor's viewpoint

- Appears CITRIX accesses smaller database areas
  faster than IMACS Client S/W

IMACS - Just for